



TPU BELTS
THERMOPLASTIC POLYURETHANE



LRB-45 LIVE ROLLER DRIVE BELT

HIGH SPEED AND DURABLE INTRALOGISTICS BELT SOLUTION

Our advancements in materials science, design engineering and processing technologies allow Gates to deliver a high quality and performance live roller belt to operate reliably at high speed.

Aramid reinforcement ensures a safe and longer lifespan operation for our customers' warehouse and distribution conveyors.

The LRB-45 belt is an open ended flat belt with a high grip top side to the live rollers and a low friction and anti-static fabric bottom side to improve safety and reliability.

Gates LRB-45 belts are designed to meet the specific needs of demanding, high-performance applications in automated warehouse systems.

The LRB-45 belt combines the durability of top-quality with a reliable partnership, making Gates the number one choice for polyurethane flat synchronous belts. You can be confident in LRB-45's reliability for your high speed roller drives.

FEATURES + BENEFITS

- High friction, knurled diamond pattern on top ensures high grip and less slip on the rollers
- Low friction antistatic fabric on the bottom prevents static buildup
- Aramid cord design for lower stretch and longer life compared to competitor belts
- Designed to be spliced with OEM equipment
- Available in roll lengths up to 656 ft. (200 meters)



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PRODUCT SPECIFICATIONS

	METRIC	IMPERIAL
STANDARD THICKNESS	4.67 +/- 0.2 mm	0.184 +/-0.008 in
STANDARD ROLL LENGTH*	152 m	500 ft
STANDARD COLOR	Black	Black
CORD	Aramid	Aramid
MINIMUM PULLEY DIAMETER	100 mm	3.94 in
FDA/EU APPROVAL	No	No
POLYURETHANE	92° Shore A	92° Shore A
TOP SURFACE	Knurled Polyurethane	Knurled Polyurethane
BOTTOM SURFACE	Antistatic Fabric	Antistatic Fabric
OPERATING TEMPERATURE	-25 °C to +80 °C	-13 °F to 175 °F
SPLICE	Interleaved finger heat welded	Interleaved finger heat welded
RECOMMEND FINGER LENGTH	155 mm	6.1 in

* Roll lengths up to 200m / 656 ft available upon request.

TECHNICAL DATA

STANDARD WIDTH [MM]	45 +0/-1 mm	1.77 +0/-0.04 in
ULTIMATE TENSILE STRENGTH [N]	33300 N	7490 lbf
ALLOWABLE BELT TENSION [N]	4450 N	1000 lbf
SPECIFIC BELT WEIGHT [KG/M]	0,21 kg/m	1.52 lb/ft
SPECIFIC BELT STIFFNESS [N]	731370 N	164420 lbf

NORTH AMERICA

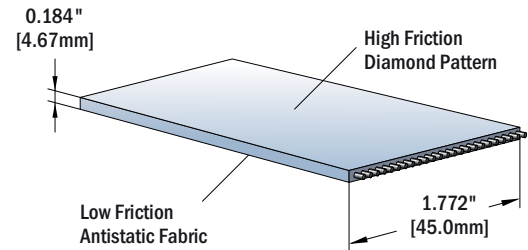
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LRB-45 (SECTION)



GATES.COM/TPU

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